

Customer No.: 31561
Application No.: 10/063,910
Docket No.: 7794-US-PA

In The Claims:

Claim 1. (currently amended) A method of integrally forming an integrated structure of a light-guide board and an optical thin film, comprising:

providing a mold and the optical thin film comprising at least ~~and a mold~~, and a polarizer,
wherein the mold has a first space and a second space, and the first space has a surface on which
no pattern is formed;

disposing the optical thin film in the first space of the mold; and

injecting a light-guide material into the second space of the mold.

Claim 2. (currently amended) The method according to claim 1, wherein ~~the step of~~
~~providing~~ the optical thin film includes ~~a step of providing~~ a multi-layer thin film.

Claim 3. (currently amended) The method according to claim 1, wherein ~~the step of~~
~~providing~~ the optical thin film includes ~~a step of providing~~ a single-layer thin film.

Claim 4. (currently amended) The method according to claim 1, wherein the ~~step of~~
~~injecting the light-guide material~~ mold includes an injection mold molding, a compression mold
molding and an injection compression mold molding.

Claim 5. (currently amended) The method according to claim 4, wherein the injection
molding step uses a lying ~~type~~ injection machine.

Claim 6. (currently amended) The method according to claim 4, wherein the injection
molding step uses a standing ~~type~~ injection machine.

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Claim 7. (currently amended) The method according to claim 1 4, wherein ~~the step of~~
~~injecting the light-guide material includes injecting a polymer.~~

Claim 8. (currently amended) A method of integrally forming a structure of a light-guide
board and an optical thin film, comprising:

providing a mold and the optical thin film comprising at least a polarizer, and a mold,
~~wherein the mold has a first space and a second space;~~

disposing the optical thin film on one surface of the mold, wherein the surface has no
pattern thereon; and

injecting a light-guide material in the mold to fill another space without the optical thin
film, and curing the light-guide material to form a light-guide board adhered to the optical thin
film.

Claim 9. (currently amended) The method according to claim 8, wherein ~~the step of~~
~~providing the optical thin film includes a step of providing a multi-layer thin film.~~

Claim 10. (currently amended) The method according to claim 8, wherein ~~the step of~~
~~providing the optical thin film includes a step of providing a single-layer thin film.~~

Claim 11. (currently amended) The method according to claim 8, wherein ~~the step of~~
~~injecting the light-guide material~~ mold includes an injection mold molding, a compression mold
molding and an injection compression mold molding.

Claim 12. (currently amended) The method according to claim 11, wherein the injection
molding step uses a lying ~~type~~ injection machine.

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Claim 13. (currently amended) The method according to claim 11, wherein the injection molding step uses a standing ~~type~~ injection machine.

Claim 14. (currently amended) The method according to claim 8, wherein ~~the step of injecting~~ the light-guide material includes ~~injecting~~ a polymer.

Claim 15. (currently amended) A method of integrally forming a structure with a light-guide board and an optical thin film, comprising:

~~providing a polarizer~~, disposing the optical thin film comprising at least a polarizer on a first ~~one~~ surface of the mold ~~into a mold, wherein the first surface has no pattern thereon~~; and

forming the light-guide board on a second surface opposing to the optical thin film via an injection molding, a compression molding or an injection compression molding step, wherein the second surface has a pattern thereon.

Claim 16. (currently amended) The method according to claim 15, wherein ~~the step of disposing~~ the optical thin film includes ~~a step of disposing~~ a multi-layer thin film.

Claim 17. (currently amended) The method according to claim 15, wherein ~~the step of disposing~~ the optical thin film includes ~~a step of disposing~~ a single-layer thin film.

Claim 18. (currently amended) The method according to claim 15, further comprising using a lying ~~type~~ injection machine for forming the light-guide board.

Claim 19. (currently amended) The method according to claim 15, further comprising using a standing ~~type~~ injection machine for forming the light-guide board.

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